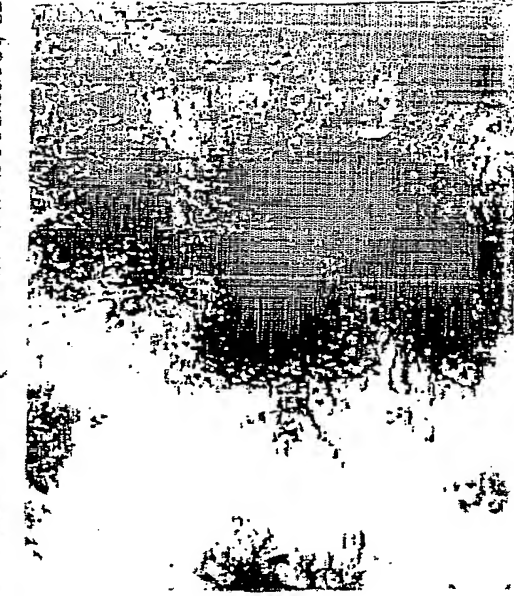
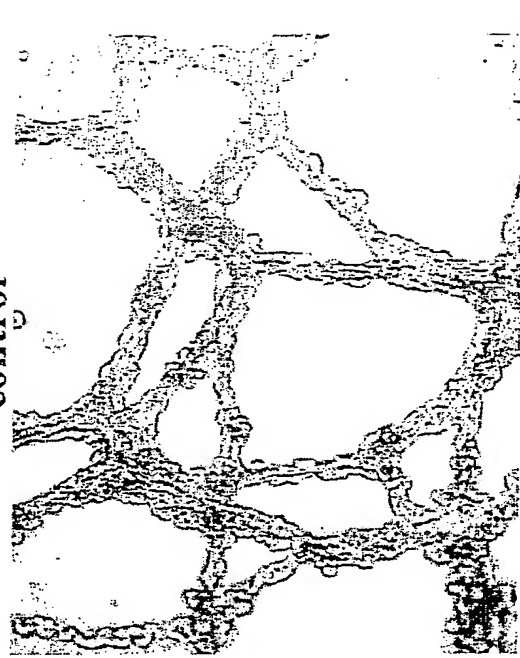


3D growth of invasive BC cell lines on Matrigel (6mg/1ml)

MDA-MB-231 (branched, invasive) MBA-MB-435S (branched-stellate, invasive)



MCF10A (duct-like pattern, non invasive)
control



all x100



BT-549 (stellate, invasive)



Fig. 1

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Fig. 2

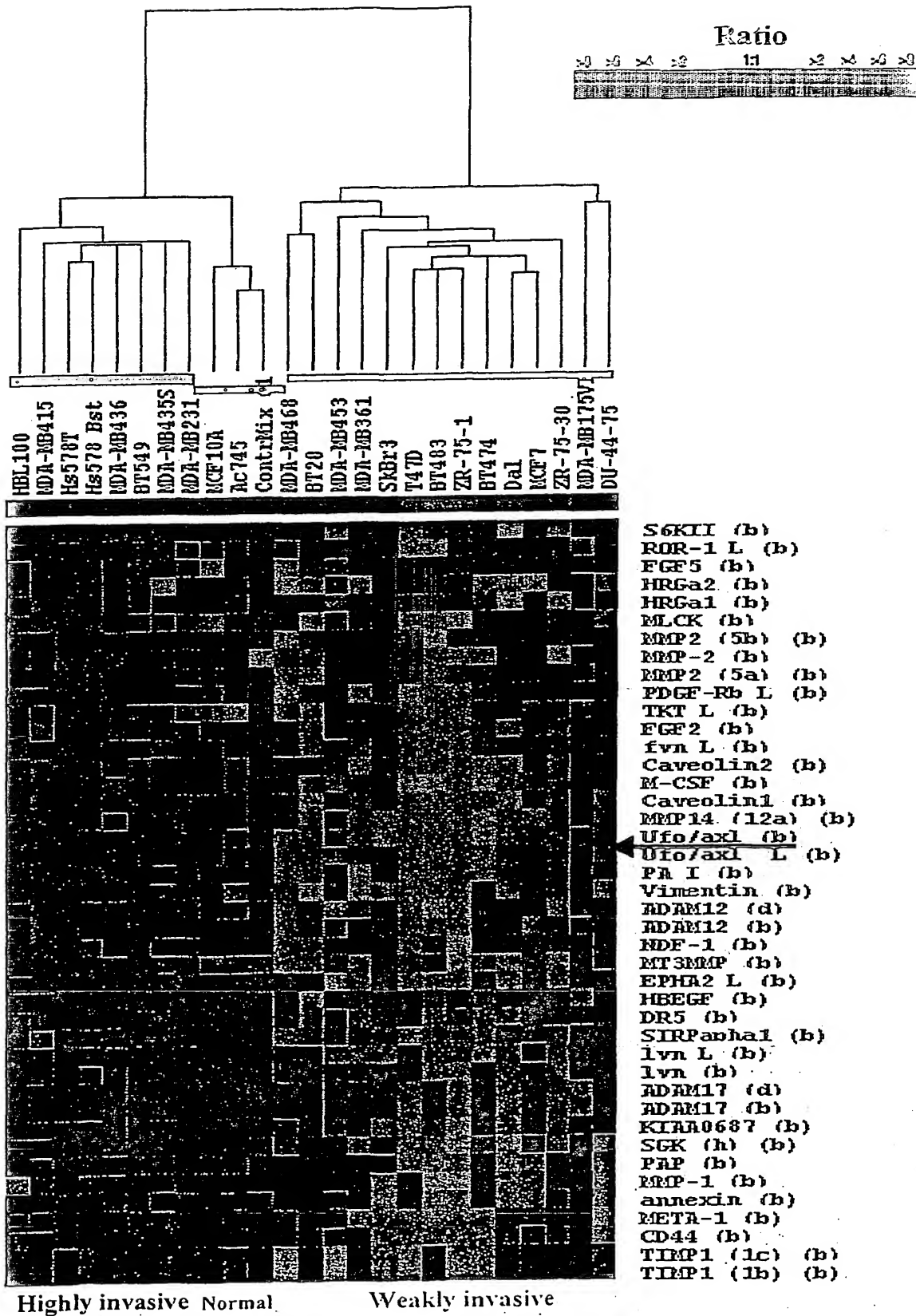
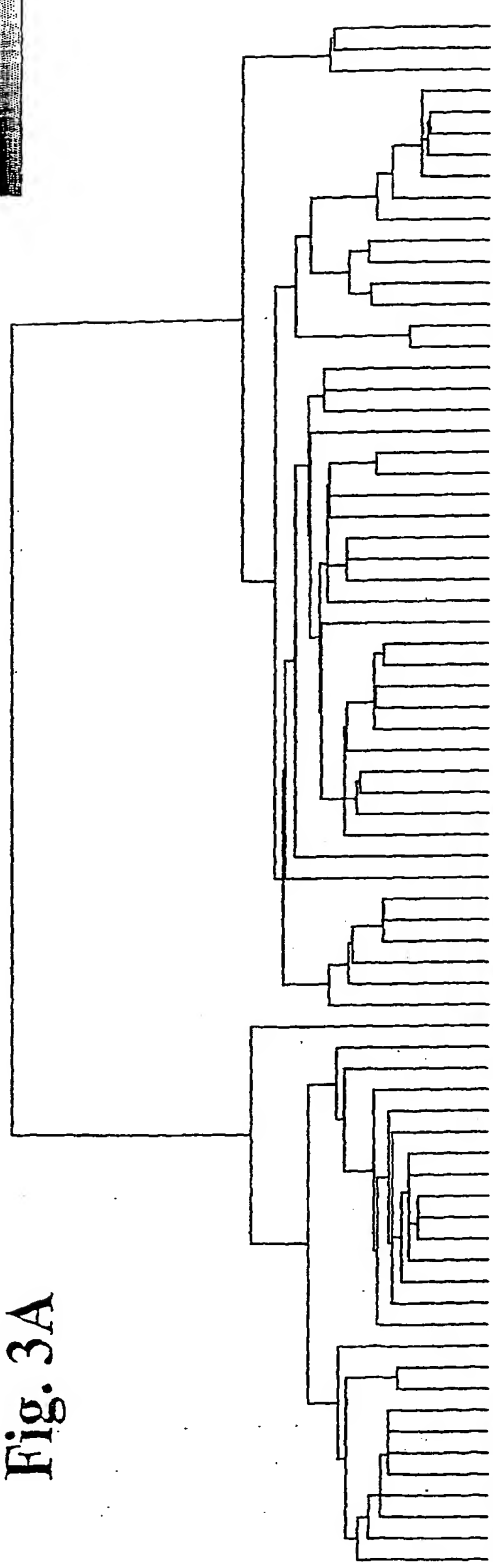




Fig. 3A



Corr: 0.51.

WYX L (b)
 CD44 (b)
 TIMP2 (3a) (b)
 TIMP2 (3b)
 Carcavin12 (b)
 Carcavin1 (b)
 TIMP2 (2b) (b)
 Uro/asp. L (b)
 Uro/asp. L (2a) (b)
 HUN12 (d)
 M-CSF (b)
 Lvn L (b)
 fvn L (b)
 SLYA01 (b)
 G66 (b)
 G61 (b)
 G65b (b)
 G65a (b)

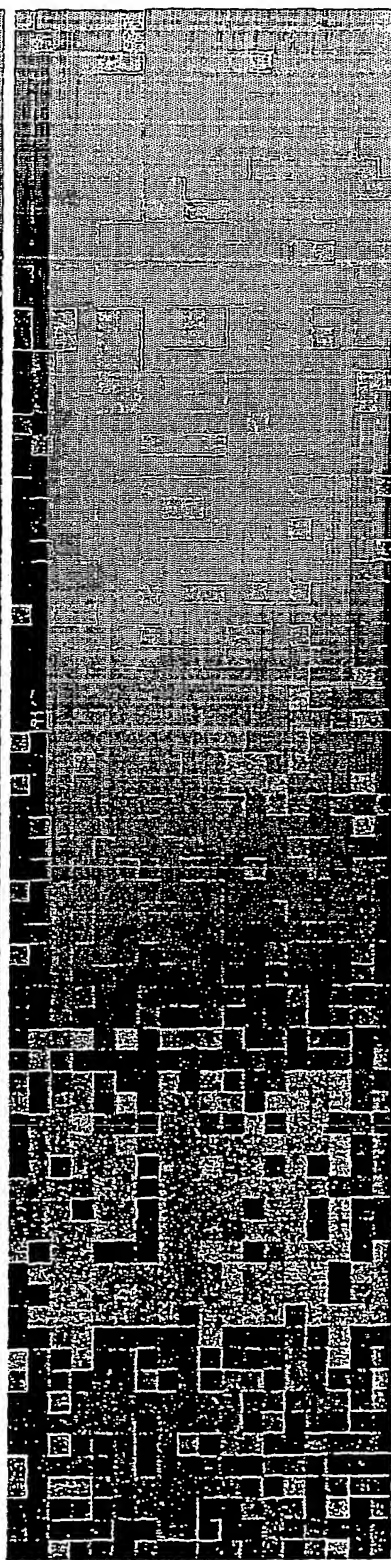
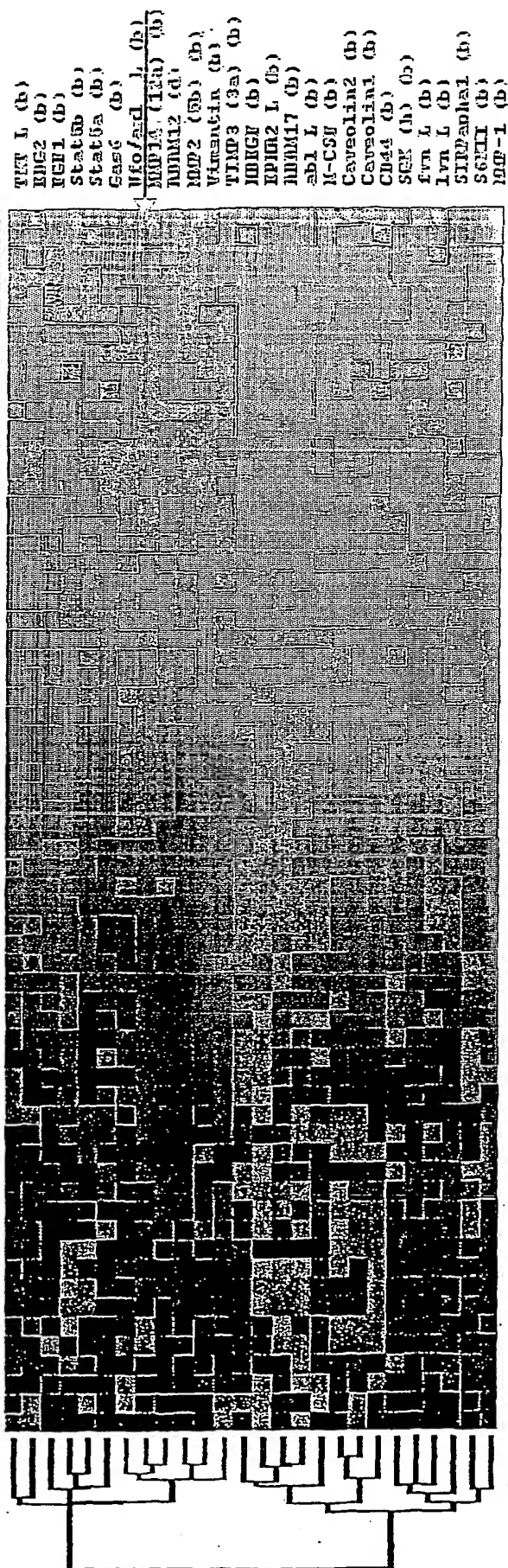
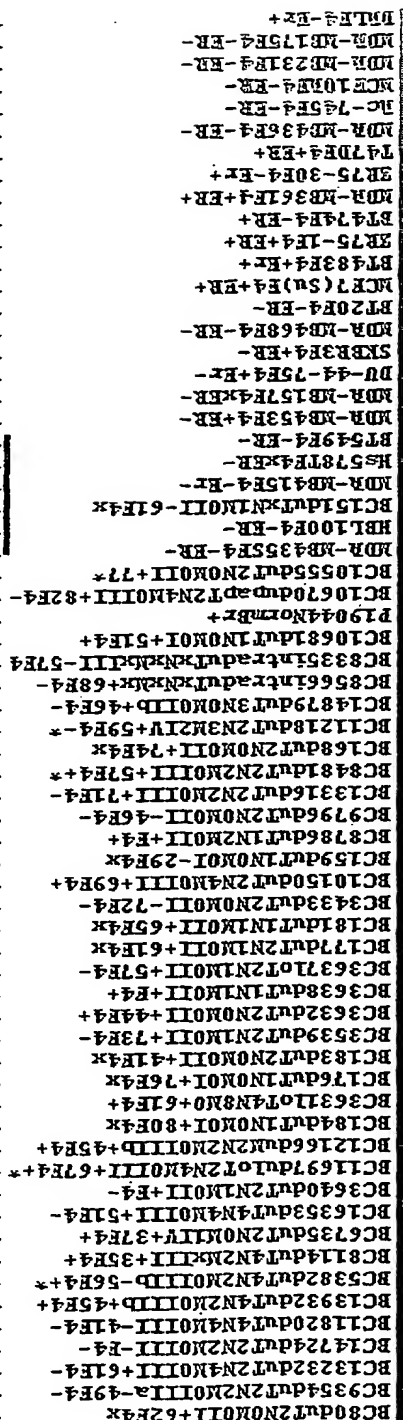
[illegible]

Fig. 3B



Analysis of expression RTK AXL and GAS by Northern blot

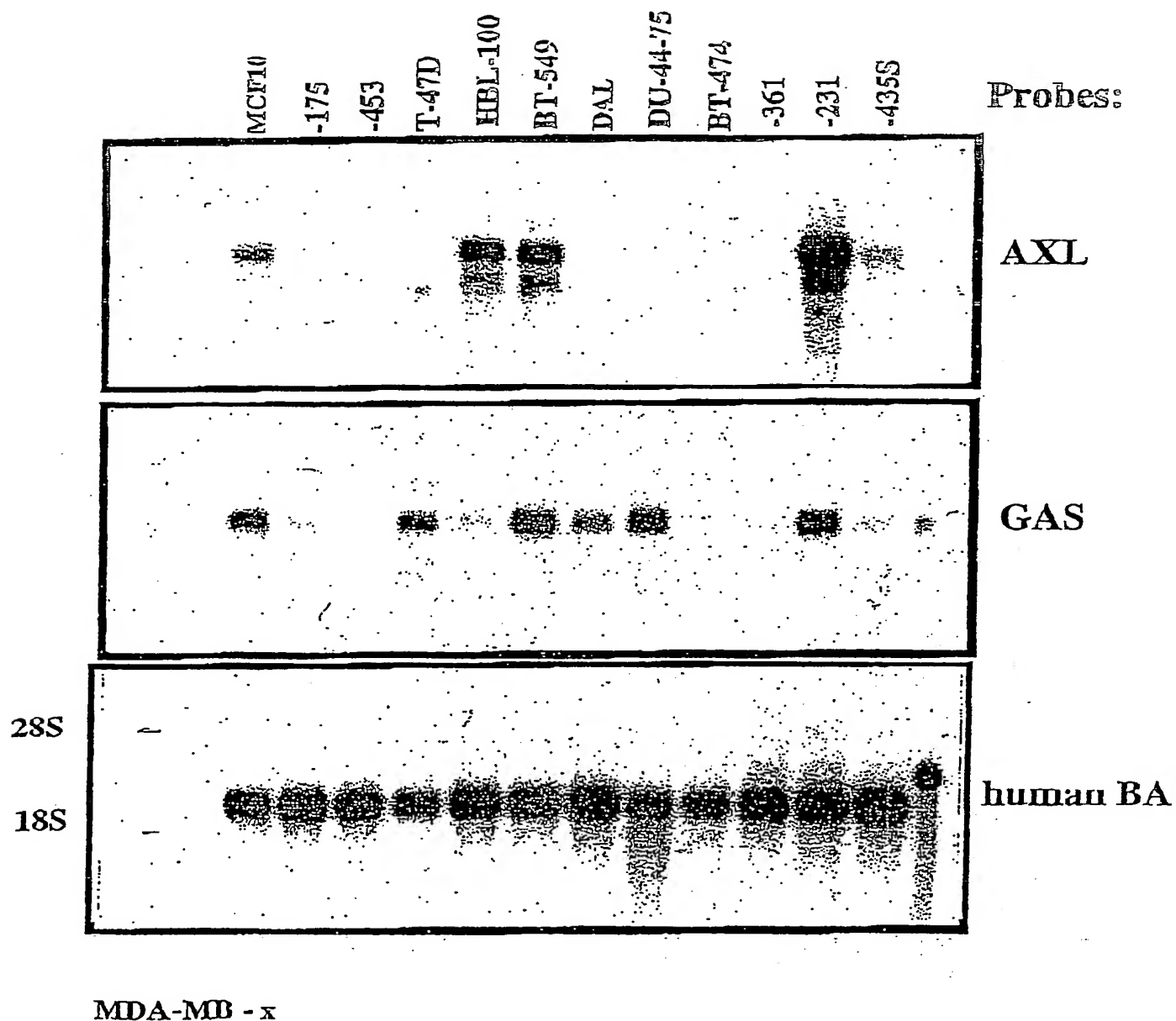
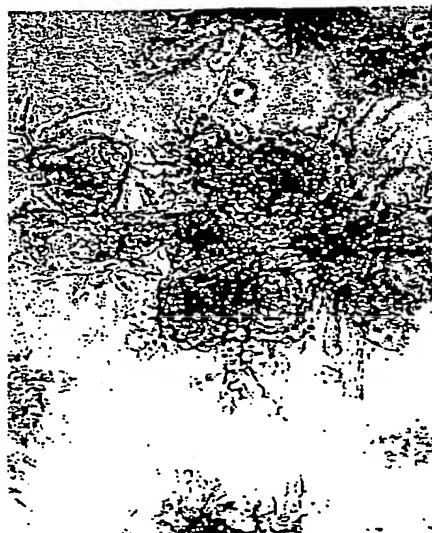


Fig. 4

The 3D outgrowth on Matrigel matrix a different invasive breast cancer cell lines (14 days)

MDA-MB-435S, mock



BT549, mock



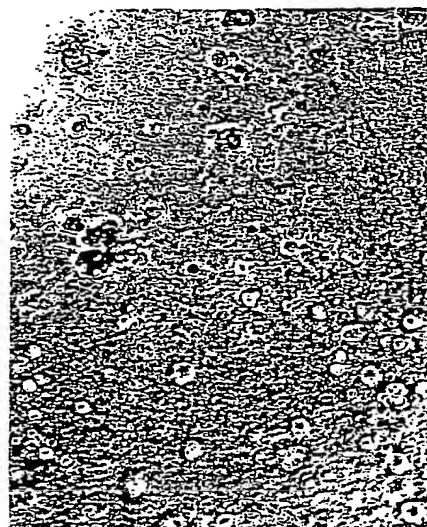
MDA-MB-231, mock



-dnAXL, clon 2



-dnAXL, clon 7



-dnAXL, clon 8

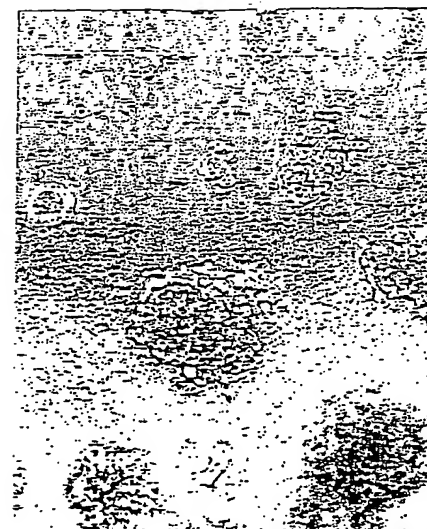


Fig. 5A

All -dn-AXL clones growth as non invasive, pseudo acinar-fused cancer cells

x100

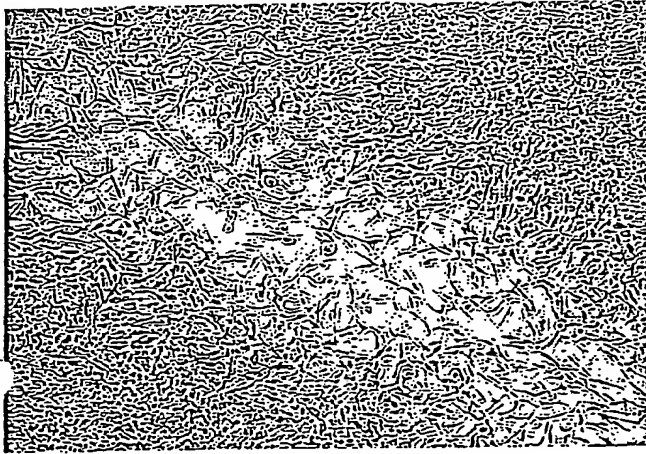
Fig. 5B

Wound assay

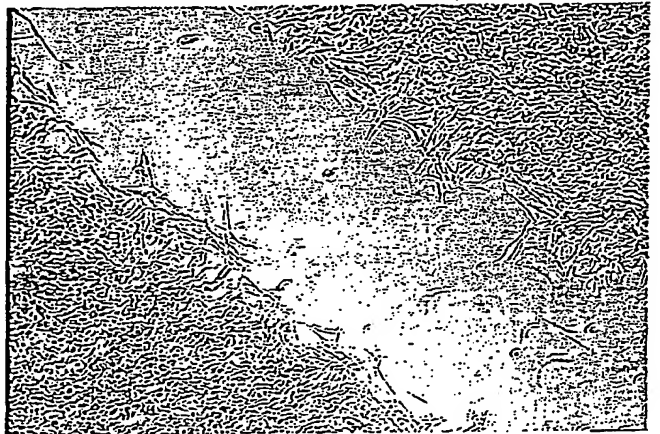
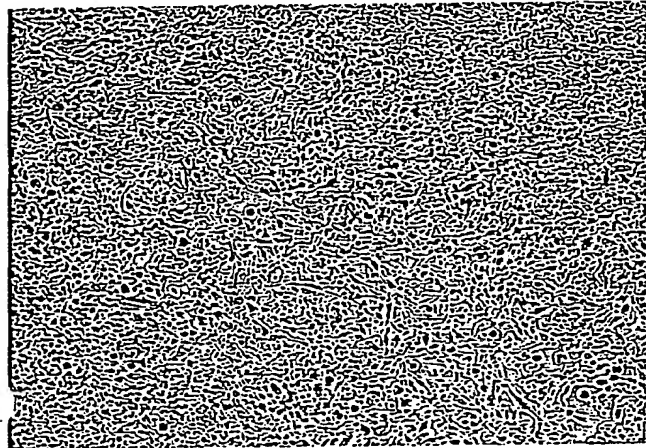
MDA-MB-435S, mock

10%FCS

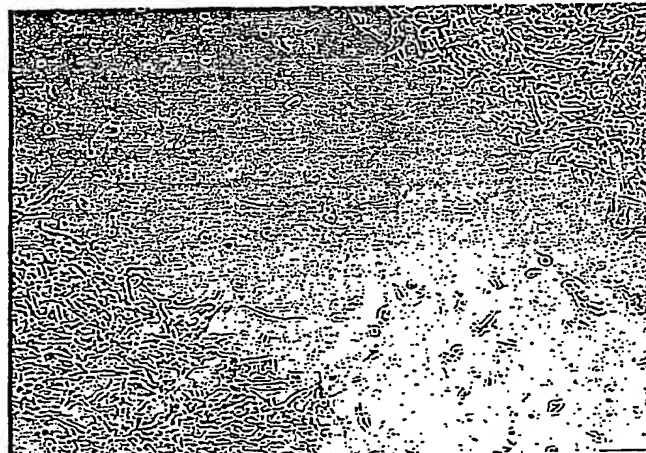
MDA-MB435S-dnAXL, cl. 2



FCS+GAS6



Starvation 72h



MDA-MB-435S, mock treated by Ex-AXL antibody (ab): 3D growth on MM, 14 days



no ab treatment

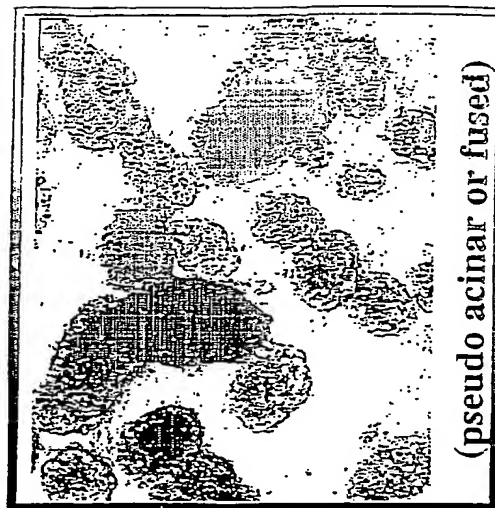
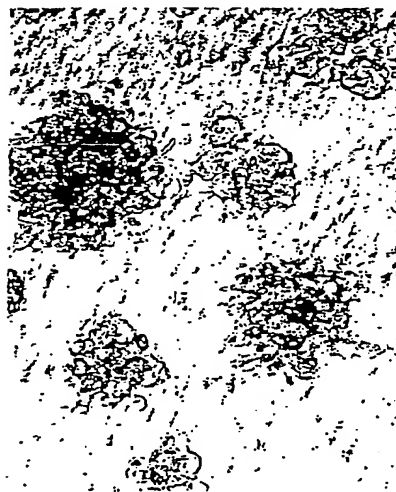


+anti-GAS ab



+preimmune serum (R1)

(MDA-MB435S-dnAXL c12, 14 days on MM)



treatment by -Ex-AXL ab: fused outgrowth

(pseudo acinar or fused)

Fig. 6A

100 μ m

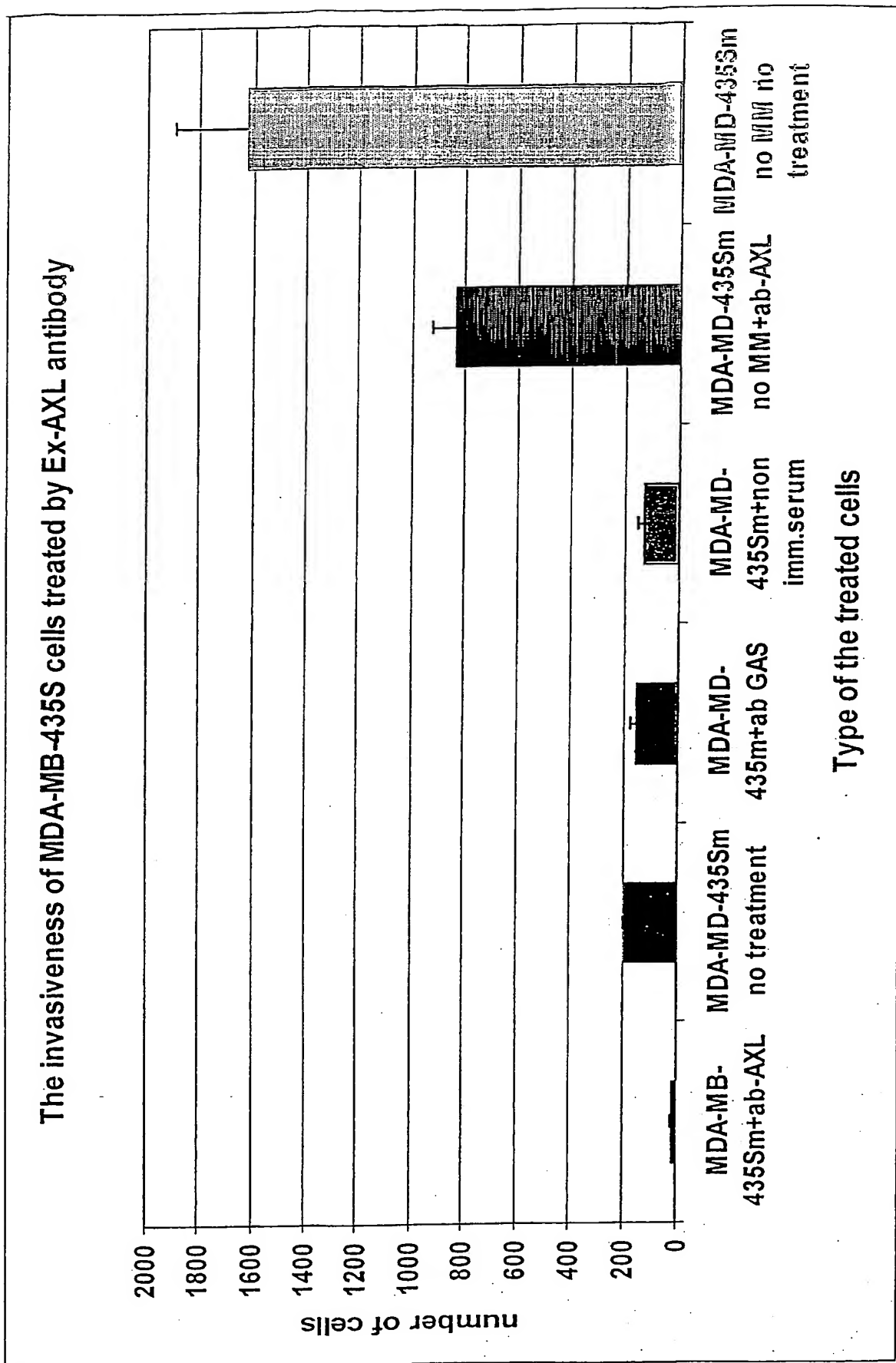


Fig. 6B

10/521410

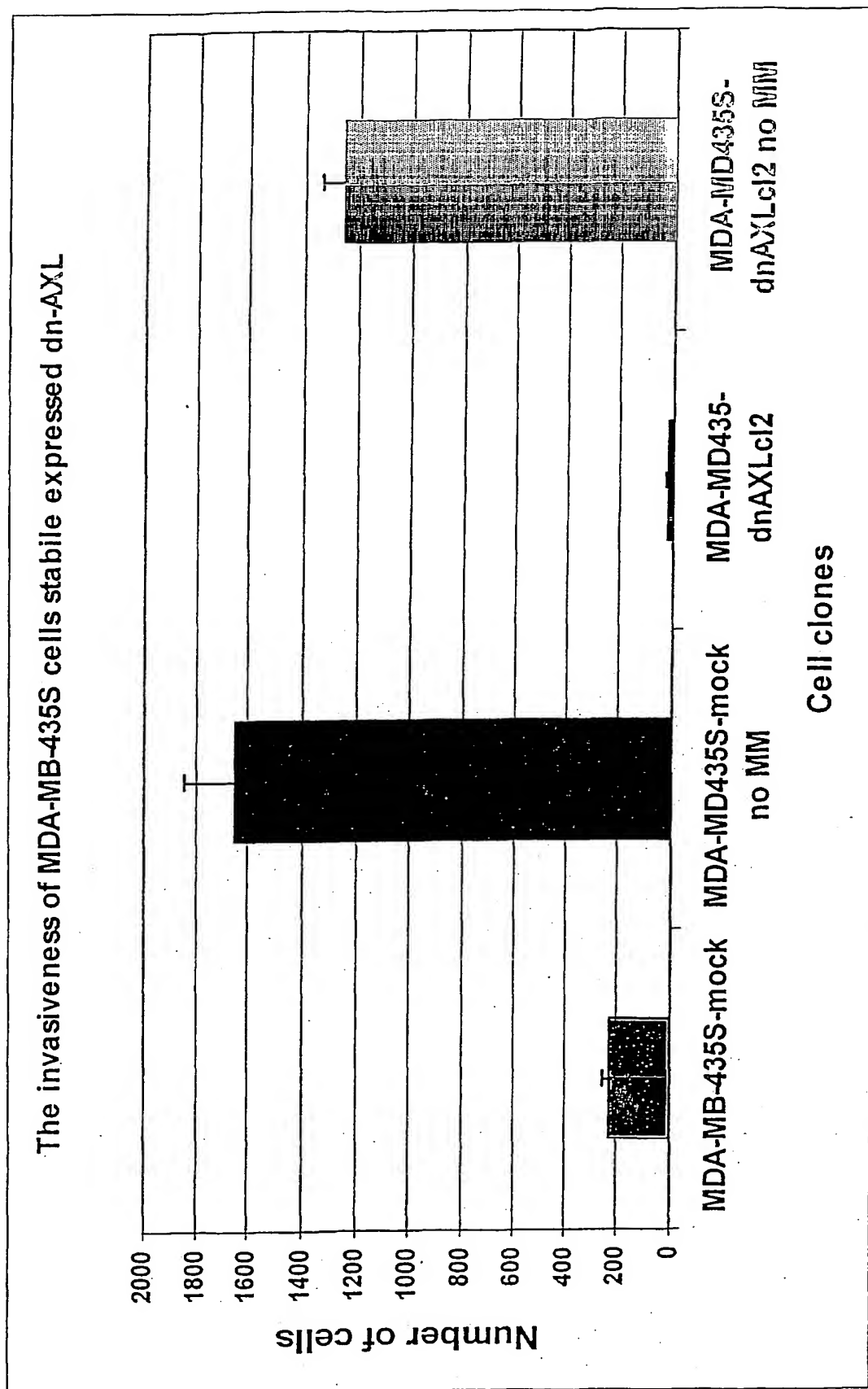
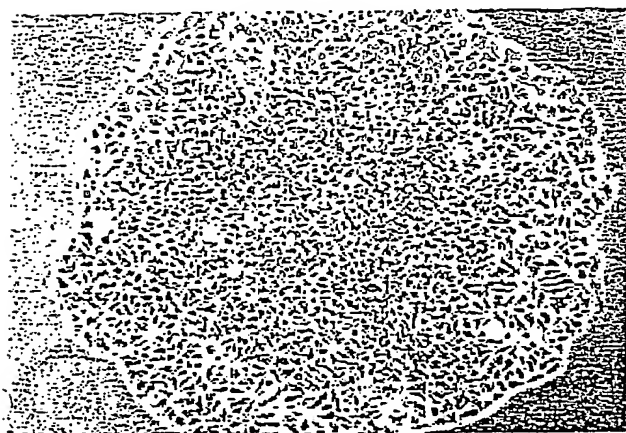


Fig. 6C

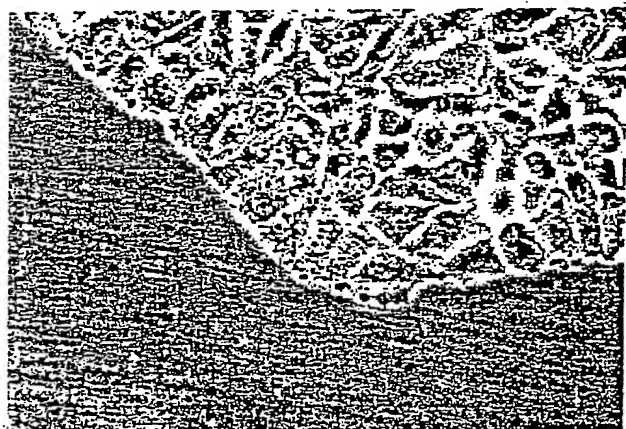
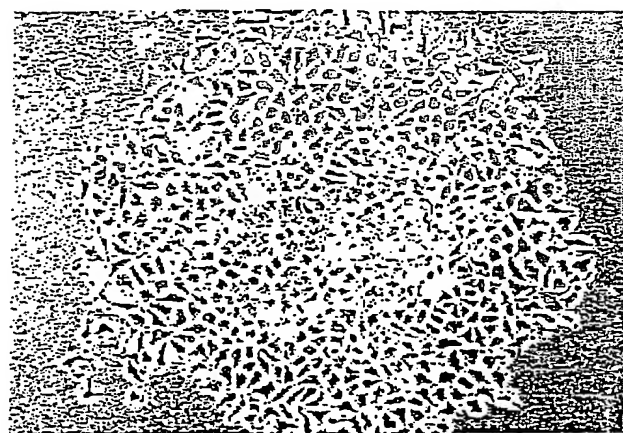
The morphology of breast cancer cell line MCF7
with forced over-expression RTK AXL wt

mock

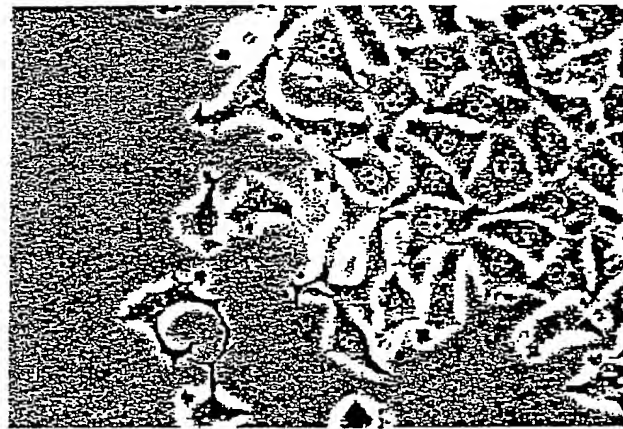
AXL wt



x100



x320



x320



Fig.7A

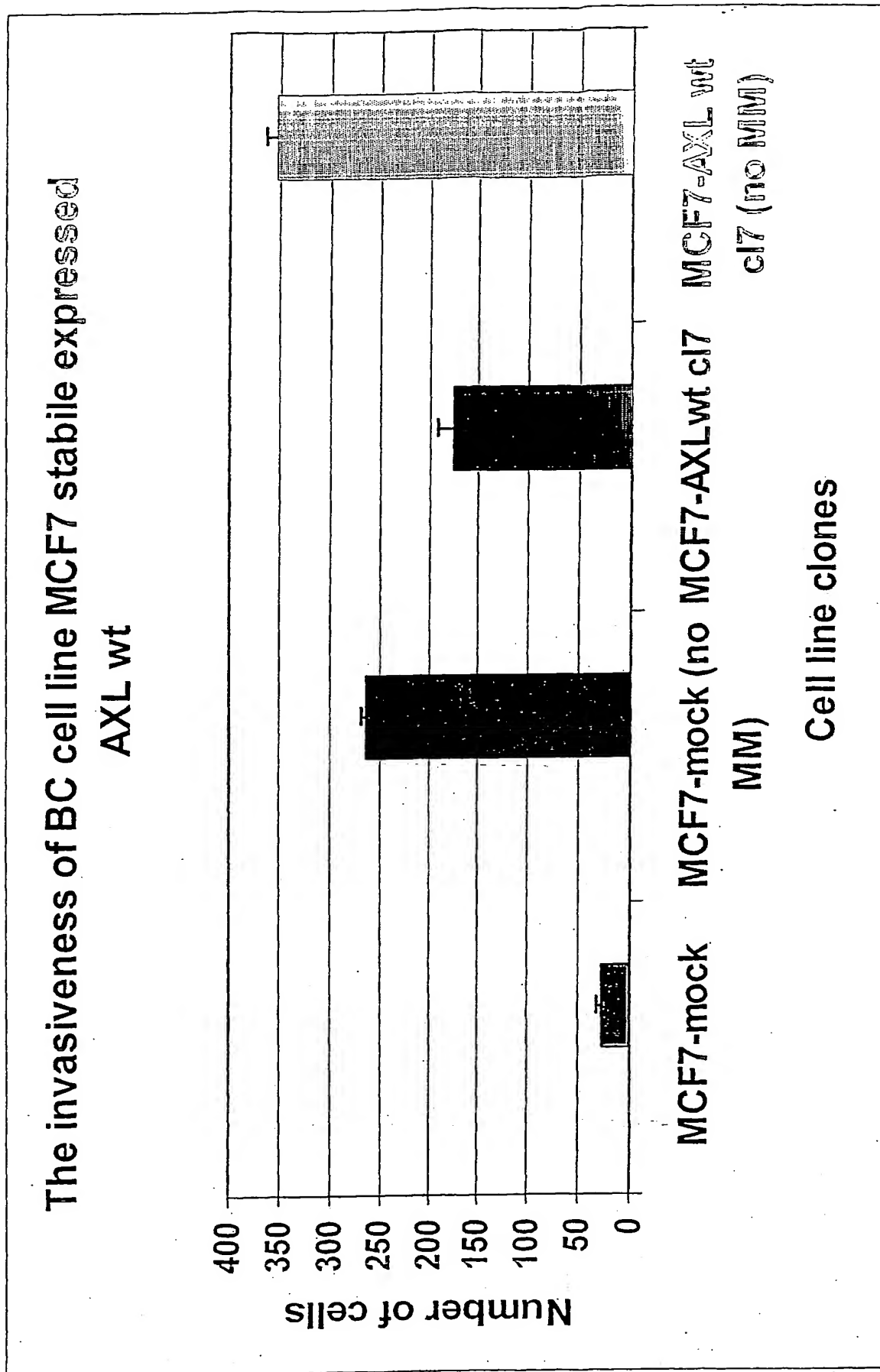


Fig. 7B

Figure 8

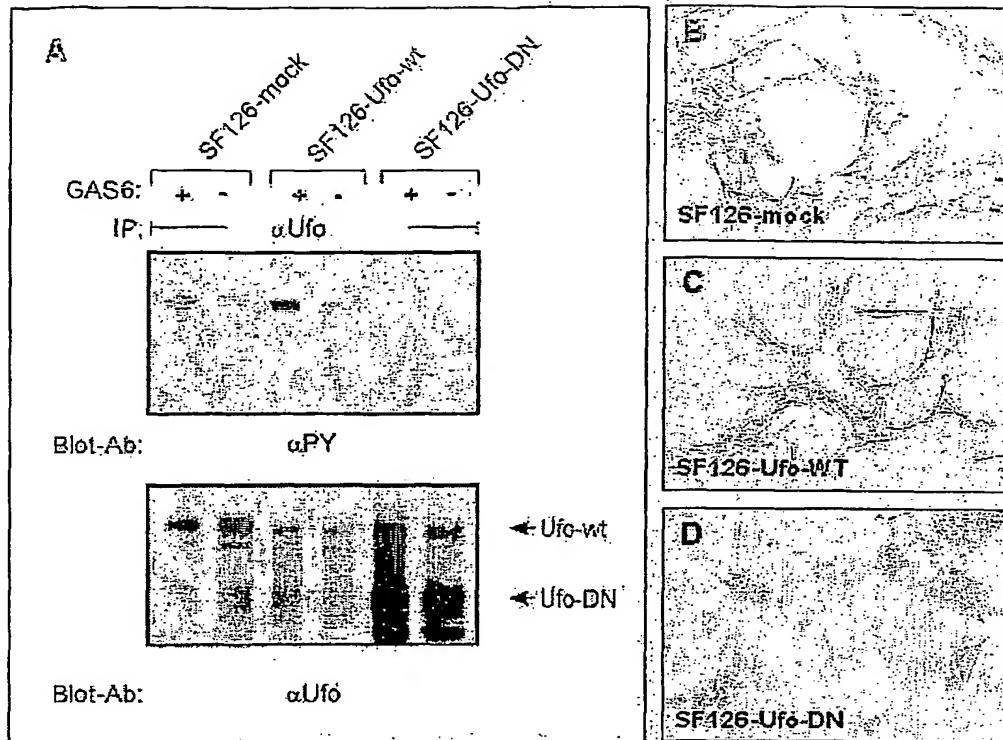


Figure 9

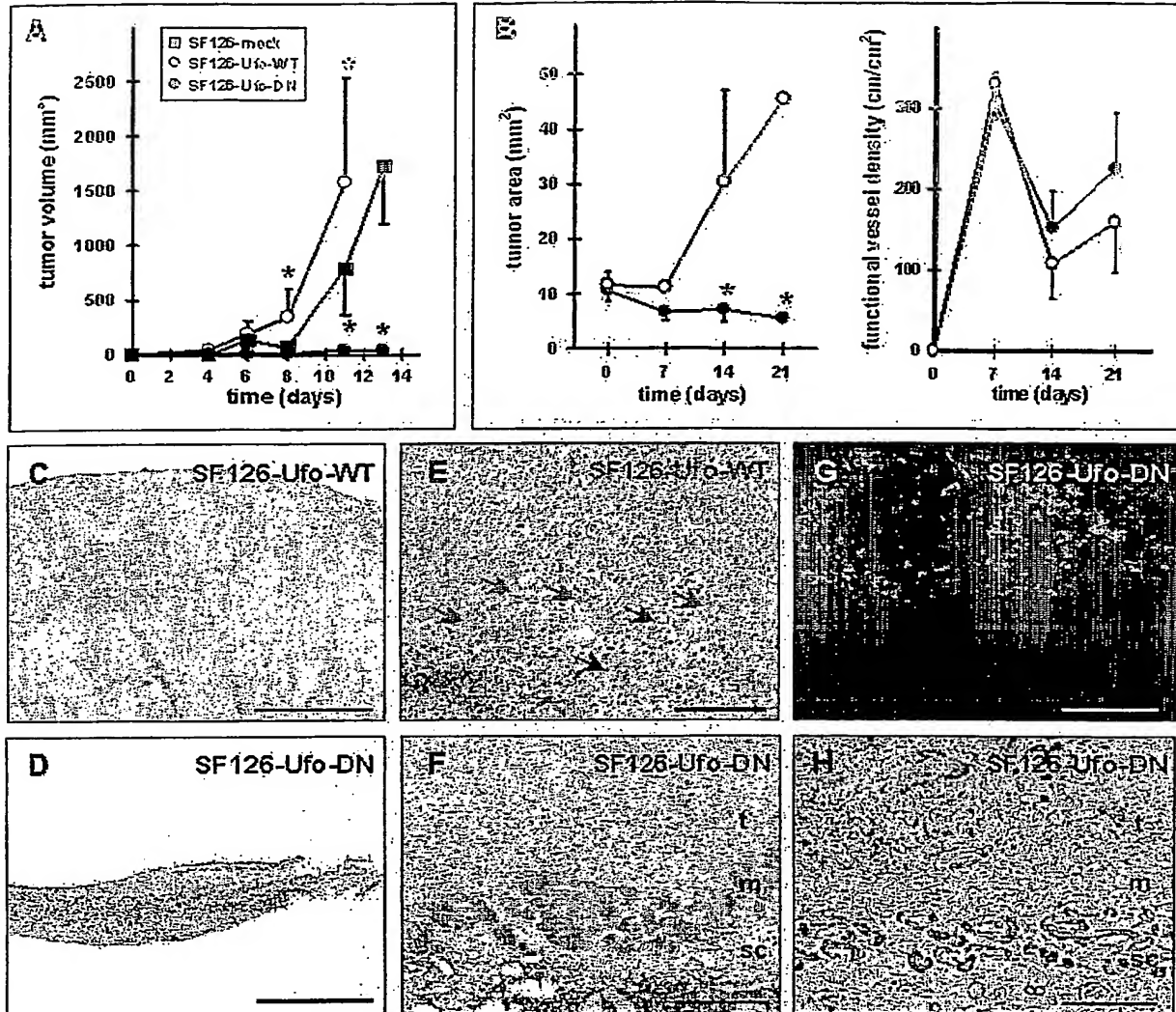


Figure 10

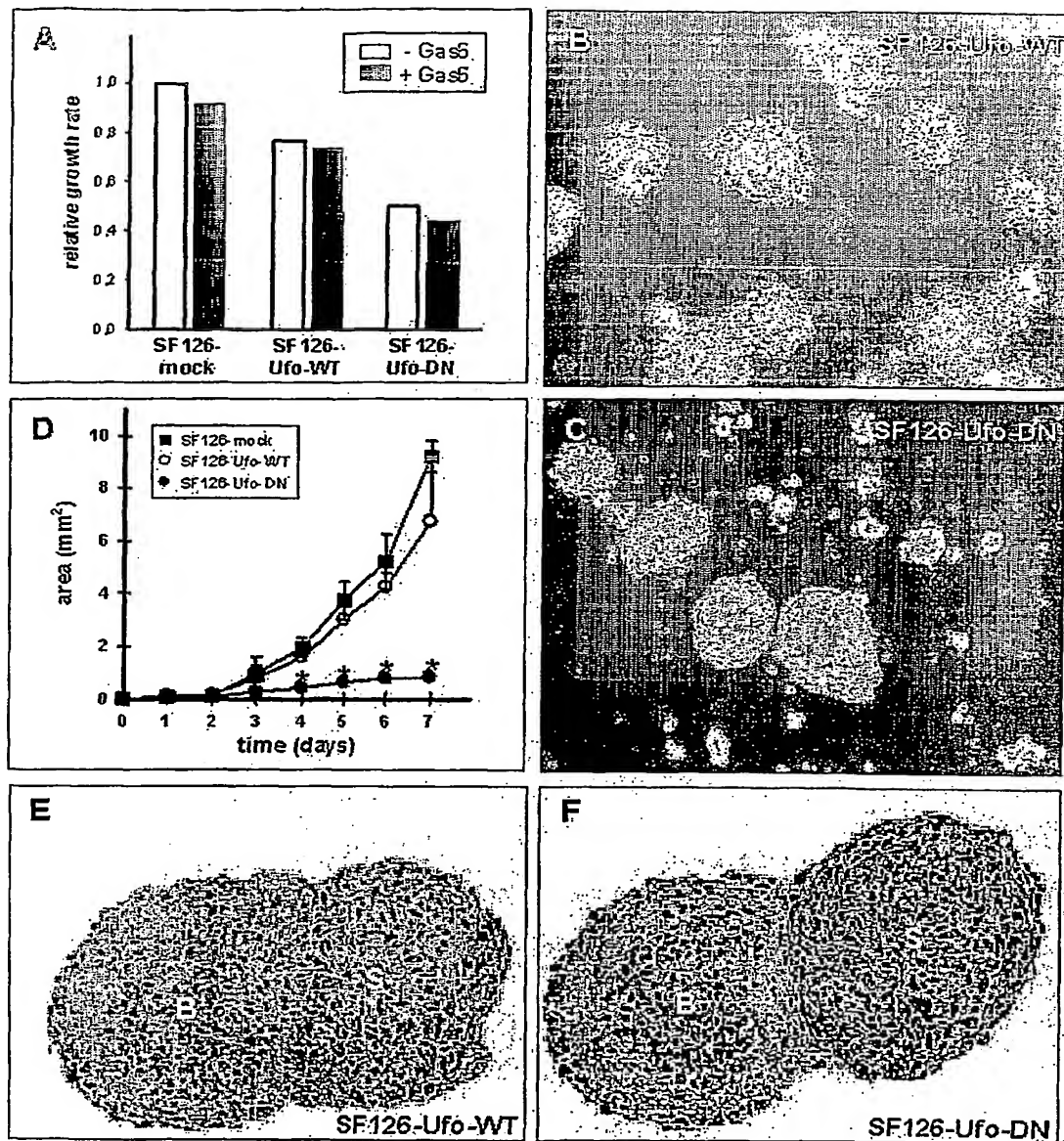
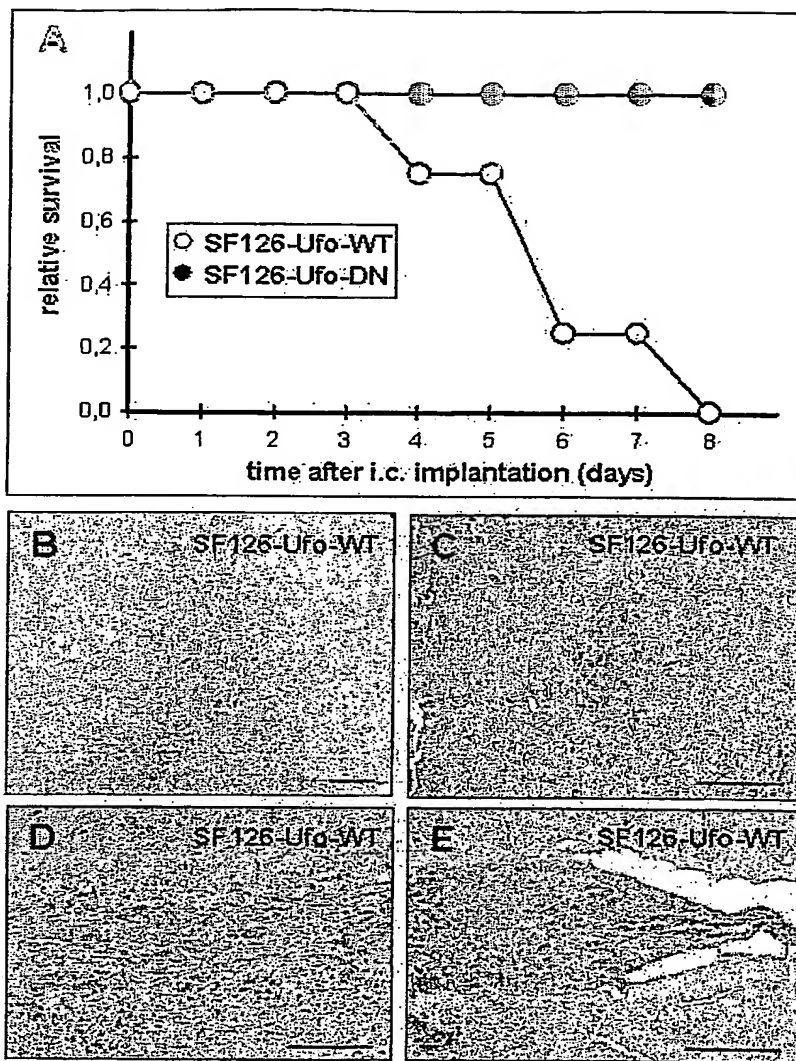


Figure 11



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